

West Africa IPM CRSP Regional Project Workshop

May 22 (Saturday) Embarked from the US.

May 23 (Sunday) Arrived in Bamako

Country(s) Visited: Mali, West Africa

Dates of Travel, Names and Affiliations: See Appendix I

Purpose of Trip: Primary activity was to develop the West Africa IPM CRSP Work Plan and assign tasks for implementation. Other activities included meetings between US collaborating scientists and host country scientists on other research project: (Associate Awards: Mali: Building Local Capacity in IPM Solutions) and (African Food Security Initiative (AFSI)- Quality Food Production, Availability, and Marketing)

Sites Visited: The IER research facilities at Sotuba, the ETQCL CVL, Baguinda.

Description of Activities/Observations:

May 24 (Monday)

IER Sotuba

AM:

Discussion on potato seed production and rice production:

Bob Gilbertson, Larry Vaughan, Mme. Gamby, Darrell Bosch, Mme. Penda Sissoko, Mme. Thera, Youcuba Doubia, Serbia O Kalite, Allihoun, Issoula Awari, Don Mullins, Jim Westwood & Douda Dembelé, Abdoulaye Camera
Discussion centered around potato seed production, Rice production. certified seed access is no longer supported by USAID. Disease management.

PM:

Tomato host free period economics

Darrell Bosch & Mme. Penda Sissoko
Discussion between Darrell Bosch and Penda Sissoko focused on determination of the economics associated with the implementation of the host-free period tomato culture.

West Africa Weed ID Project

Jim Westwood & Douda Dembelé
Discussion between Jim Westwood and Douda Dembelé included making plans for procuring new weed identification information and expanding the West Africa Weed ID reference materials for placement on the web site.

IPM CRSP TC meeting linked to VT via Skype

Larry Vaughn & Don Mullins:
Were able to link initially to the TC conference via cell phone. However, technical problems arose with the connection (low cell phone power and minutes on the cell

phone, followed by a power failure at IER), Larry and Don were able to reconnect with TC conference after traveling to Mme Gamby's residence which was equipped with an independent power supply and internet service.

May 25 (Tuesday)

IER-Sotuba

AM:

Potato seed availability and production for Mali

Bob Gilbertson UC Davis, Larry Vaughan (VT) , Mme Thera ICEM/IER), Mme. Gamby (IER), Darrell Bosch (VT), Mme. Penda Sissoko (IER), Doug Pfeiffer (VT), Youcuba Doubia (IER?), Serbia Okalite (IER), Allihoun Diarra (IER), Issoula Awari (Rice production), Don Mullins (VT), Jim Westwood (VT) & Douda Dembele (IER), Abdoulaye Camera (IER)

Discussion centered around potato seed production continued from the previous meeting on Monday

PM:

Tomato host free period economics

Darrell Bosch & Mme. Penda Sissoko

Discussion between Darrell Bosch and Penda Sissoko focused on determination of the economics associated with the implementation of the host free period tomato culture. This was a continuation of the discussion that they had on Monday

WA IPM CRSP Work Shop Agenda development meeting

Bob Gilbertson (UC Davis), Carlyle Brewster (VT), Pat Hipkins (VT), Jim Westwood (VT), Don Mullins (VT), Doug Pfeiffer (VT) & Sally Miller (via Skype)

This group reviewed and expanded the meeting agenda and made plans for the work shop.

May 26 (Wednesday) & May 27 (Thursday)

**West African Regional Consortium of IPM Excellence
Planning Workshop
RADISSON BLU HOTEL,
Bamako, Mali**

Meeting attendees: Thirty-one attendees; See Appendix II

8:30 AM: Welcome and introductions:

Don Mullins opened the meeting, requesting that all participants sign in on the attendee roster. The information will be included in the West Africa IPM CRSP project Scholar web site. An electronic translation system was used to facilitate the two English/French translators. The participants were encouraged to speak slowly into the microphones provided at their seating locations.

9:00 AM: Discussion of the WA IPMCRSP Renewal Project:

A brief history and achievements of the IPM CRSP projects since 1993-2004 in Mali and more recently 2004-09 (West African Region) was provided. The objectives and changes in the renewal project (2009-2014) were presented. The renewal is to focus on developing “IPM Packages” for tomato, potato and cabbage in tree West African countries (Mali, Senegal and Ghana) and was to be linked to four global themes including Plant virus diseases, International Pest Diagnostic Network, Gender and Impact Assessment.

9:20 AM: Discussion of Gender Global Theme in the IPM CRSP's:

Larry Vaughan presented information for Mary Elisa Christie on the Gender Global Themes component of the IPM CRSP. He summarized the importance of this Global theme and that the issues of gender were to be addressed in all CRSP programs. The West African IPM CRSP work plan should include plans to promote gender equity and dissemination of knowledge of gender issues in IPM. As we determine our research and capacity building activities, we should identify gender experts in host country teams and institutions focusing gathering information (80% research) and networking (20%). Each CRSP was provided with a Gender Budget \$10K/year/region. Since the WA IPM CRSP conducted a workshop on Gender issues last year, we should be in a position to proceed the research and networking activities.

10:00 AM: Discussion of the IPM CRSP Logic Model

Carlyle Brewster discussed the use of a logic model that could serve as a basis for developing the activities for the WA IPM CRSP regional project. He referenced Appendix II in the project proposal work plan:

The logic model process includes consideration of four components:

- 1.) Defining the situation... What is the problem? What is the purpose of the activity?
- 2.) Determining the required inputs... What is needed to do to accomplish the goal? (\$; equipment/materials; technology; time/partner/cooperator expertise; identify responsible person(s); farmers and fields, etc.)
- 3.) Determination of the output... Research, data collection, workshops/training sessions
- 4.) Providing information on outcomes/impact... generation of information and knowledge that can be integrated into IPM practices and facilitate new/changed practices

10:30-10:45 AM: Break

10:45 – Noon: Objective 1: Develop and implement an IPM package for tomato in Ghana, Mali and Senegal

Bob Gilbertson presented an overview of the host-free process that has been developed to enable tomato production during the dry growing season. It features using reduction of whitefly-transmitted viruses in tomatoes in the cropping system and can serve as a model for IPM package development and implementation. A discussion following the presentation included identification of major pests and problems associated with tomato

production. This included viruses, insects, host plants the might harbor plant diseases, pest resistant cultivars (varieties).

The discussion then moved on to address the following steps in for development of a tomato pest management package .

1. Select of appropriate locations and growers
2. Variety selection
3. Seedbed prep and transplant production
4. Scout training for growers
5. Postharvest activities

Year 1 proposed work plan discussion:

- Activity 1a. Establish locations for implementation of tomato IPM programs
- Activity 1b. Conduct surveys in each location for tomato production practices, yields and disease and pest problems
- Activity 1c. Identification of SPW biotypes collected in the cropping systems is Mali, Senegal and Ghana
- Activity 1d. Identify farmers for participating in the IPM program
- Activity 1e. Conduct initial weed surveys
- Activity 1f. Plan for technology transfer and short-term training
- Activity 1g. Plan for institutional capacity-building and long-term training

Lunch 12:30 1:30 PM:

1:30 PM: Continued discussion on potato IPM package development

Break 3:00 -3:15 PM:

3:15 PM- 4:30 PM: Continued discussion on potato IPM package development

4:45 PM: Transportation to Le Loft Hotel

May 27 (Thursday)

**West African Regional Consortium of IPM Excellence
Planning Workshop
RADISSON BLU HOTEL,
Bamako, Mali
Meeting Agenda**

8:30 AM: Recap of the Wednesday meeting

9:00 AM: Discussion of the overall WA IPM CRSP Regional project

9:45 AM: Cabbage IPM package development discussion

10:30-10:45 AM: Break

10:45 – noon: Continued discussion on the cabbage IPM package development

Lunch 12:00 1:15 PM:

1:30 PM: Final development of the IPM package work plans

3:00 -3:15 PM: Break

3:15 PM: Continued discussion on the development of the IPM package work plans

4:00 PM: Conclusions

4:45 PM: Transportation to Le Loft Hotel

May 29, (Friday)

AM:

Visit IER Biotechnology Laboratory Diagnostic lab IER:

Led by Niaba Teme (IER) , Bob Gilbertson (UC Davis), Don Mullins (VT), Issoufou Kollo (US Davis/IER), Doug Pfeiffer (VT), Carlyle Brewster (VT), Jim Westwood VT), Abdoulaye Camara (IER)

Discussion: The Biotechnology building was inspected by the group. Plumbing and Electrical problems remain and must be addressed before the building can be occupied. The new equipment for the IER Diagnostic Lab has been delivered and is awaiting installation when the building can be occupied.

Blister Beetle Project:

Carlyle Brewster, Sidiki Traore, Mme. Gamby and Doug Pfeiffer

Discussion: The current status of this project was discussed and plans for the field work was reviewed.

West Africa Weed ID Project

Jim Westwood and Douda Dembelé

Discussion between Jim Westwood and Douda Dembelé continued regarding completion of plans for procuring new weed identification information and expanding the West Africa Weed ID reference materials for placement on the web site.

May 29 (Saturday)

AM

Trip to Baguinda: tomato and pepper production

Bob Gilbertson UC Davis, Mme. Gamby (IER), Doug Pfeiffer (VT), Carlyle Brewster (VT), Moussa Noussourou (IER), Abdoulaye Camera (IER), & Don Mullins (VT).

The group visited several tomato and pepper fields and collected samples for testing for viral plant diseases.

May 30 (Sunday)

Visit to Mali Protection des Cultures (M.P.C.)

Jacques Hommes (M.P.C.), Bob Gilbertson (UC Davis), Moussa Noussourou (IER) & Don Mullins (VT)

Discussion: The discussion focused on whether M.P.C. would be interested in providing products (seeds and other materials) to support the tomato IPM package effort. From the discussion, we determined that there was interest, but more details need to be provided as the project matures.

May 31 (Monday)

Meetings between host country participants:

Don Mullins, Carlyle Brewster, Bob Gilbertson met with Issoufou Kollo and Moussa Noussourou.

Discussions: These meetings were focused on implementation of some of the WA IPMCRSP projects.

June 1 (Tuesday)

Don Mullins, Halima Traore and Safiatou Dem

Discussion: Plans for implementation of the ETQCL project of (Mali Associate Award) were reviewed.

June 2 (Wednesday)

Return to the US

Suggestions, Recommendations, and/or Follow-up Items:

One of the major concerns of the participants was that the funds allocated to the various activities and tasks were insufficient to achieve the anticipated results/expectations. The cooperators were asked to develop their budgets, scaling their efforts within their respective work plans to meet their objectives. The cooperators (DPV, ISRA-CDH, Ceres-Locustox) from Senegal planned to meet separately when they returned to Senegal and develop lines of responsibility for the projects assigned to them.

Appendix I Travel Itineraries

Traveler	Country/Unit	Embark Date	Return Date
Donald Mullins	USA/ VT	May 22, 2010	June 3, 2010
Carlyle Brewster	USA/ VT	May 22, 2010	June 3, 2010
Doug Pfeiffer	USA/ VT	May 22, 2010	June 3, 2010
Darrell Bosch	USA/ VT	May 22, 2010	May 27, 2010
Jim Westwood	USA/ VT	May 22, 2010	May 28, 2010
Pat Hipkins	USA/ VT	May 23, 2010	May 30, 2010
Bob Gilbertson	USA/ VT	May 23, 2010	May 30, 2010
Larry Vaughan	USA/ VT	May 22, 2010	June 9, 2010
Kemo Badji	Senegal/DPV	May 25, 2010	May 28, 2010
Lamine Senghor	Senegal/DPV	May 25, 2010	May 28, 2010
Baba Gadji	Senegal/CeresLocustox	May 25, 2010	May 28, 2010
Samba Diao	Senegal/ISRA	May 25, 2010	May 28, 2010
Emile Coly	Senegal/ISRA	May 25, 2010	May 28, 2010
Michael Osei	Ghana/ CSIR-CRI	May 23, 2010	May 29, 2010

Appendix II Meeting Attendees

Name	Title/Organization	Contact Info (address, phone, email)
Gamby, Kadidiatou Touré	Entomologist, Chef de Programme Fruits et Legumes IER (Institut d'Economie Rurale) Sotuba, Mali	kadidiatou55@yahoo.fr 223-66-73-72-49
Camara, Abdoulaye	Plant Pathologist, Programme Fruits et Legumes IER (Institut d'Economie Rurale) Sotuba, Bamako, Mali	camarablo@yahoo.fr 223-66-71-72-66
Dem, Safiatou Berthe	Head of Environmental Toxicology and Quality Control Laboratory CVL (Central Veterinary Laboratory Bamako, Mali	berthesafiatou@yahoo.com
Dembéle, Daouda	Malherbiologist (?check)Programme Fruits et Legumes IER (Institut d'Economie Rurale) Sotuba Bamako, Mali	daouda.dembele@yahoo.fr 223-79-54-09-54
Diallo, Mah Koné	OHVN Specialiste en Genre et Developpment Bamako, Mali	konemahdiallo@yahoo.fr 76-44-49-77
Diarra, Allihoun	Programme Fruits et Legumes IER (Institut d'Economie Rurale) Sotuba, Mali	binkediarra@yahoo.fr 223-76-45-38-87
Illiassou, Mahamane Ali mahamanealii@yahoo.fr	Student OHVN Bamako, Malii	mahamanealii@yahoo.fr 223-65-70-89-95
Katilé, Sériba Ousmane	IER (Institut d'Economie Rurale) Fruit and Vegetable Program Sotuba, Bamako, Mali	katileseriba@yahoo.com 223-73-29-35-44
Kollo, Issoufou	Plant Pathology CRSP/IER (Institut d'Economie Rurale) Sotuba Bamako, Mali	k_abdourhamane@hotmail.com 223-78-30-68-86, 223-66-6115-65
Noussourou, Moussa	Entomologist, Programme Fruits et Legumes IER (Institut d'Economie Rurale) Beguineda Mali	moussanoussourou@yahoo.fr 223-76-33-50-16

Sidibe, Issa	OHVN Chef Section Recherche of Diversification des Cultures Bamako, Mali	issasidibe43@hotmail.com 76-45-61-08, 66-76-27-51
Sissoko, Sow Penda	Agro-Economiste IER (Institut d'Economie Rurale)Programme Systemes de Production et Gastion des Resources Naturelles Sotuba Bamako, Mali	sissokopenda@hotmail.com 223-76-45-59-50
Soumaré, Samba	IER (Institut d'Economie Rurale) Editeur/Sociolique Bamako, Mali	soumare.samba@yahoo.fr 76-39-15-83, 63-1805-99
Traoré, Halimatou Koné	CVL (Central Veterinary Laboratory) Chef Service Qualité Bamako, Mali	halimatoutraore@yahoo.fr 223-20-24-33-44
Traore, Aissata	Plant Pathologist ICEM & (IER) Bamako, Mali	aissathe@yahoo.fr
Badji, Kemo	Entomology Laboratory of Crop Protection Directorate of Senega Senegall	kemo2fr@yahoo.fr, pdbas@orange.sn 221-77-63-99-576, 221-33-83-43- 212
Coly, Emile Victor	Chef du Centre pour le Developpment de l'Horticulture (ICDH)	evcoly@yahoo.fr 221-33-83-50-610 (b), 221-77-63-29-897 (cell)
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Gadji, Baba	CERES-Locustox Responsible Unite Chimie Environment Senegall	bgadji@yahoo.fr , ceres-locustox@orange.sn 221-83-44-794 (work), 221-77-61-69-974 (cell)
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Osei, Michael Kwabena	Assistant Research Scientist, Phytopathologist CSIR-CRI Crops Research Institute Horticulture Division P.O. Box 3785 Kumasi, Ghana	oranigh@hotmail.com 02-44-43-21-52
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Westwood, Jim	Department of Plant Pathology, Physiology and Weed Science Virginia Tech Blacksburg, VA, 24061 USA	westwood@vt.edu 540-231-7519